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	Application No.	Applicant(s)	
	10/720,490	20,490 DIVAKARUNI ET AL.	
Notice of Allowability	Examiner	Art Unit	
<u> </u>	Steven Loke	2811	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap ) or other appropriate communicatio (IGHTS. This application is subject t	pplication. If not include n will be mailed in due	ed course. <b>THIS</b>
1. $\boxtimes$ This communication is responsive to <u>amendment filed on</u>	<u>7/27/04</u> .		
2. The allowed claim(s) is/are <u>1-10</u> .			
3. A The drawings filed on 24 November 2003 are accepted by	the Examiner.		
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority u</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents have</li> <li>2. ☐ Certified copies of the priority documents have</li> <li>3. ☐ Copies of the certified copies of the priority do</li> <li>International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	e been received. e been received in Application No		tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			IOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Review ( PTO	-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	<u>.</u>		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment or in the	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in			back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		(PTO-413),	O-152)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/	Paper No./Mail Da 08), 7. ⊠ Examiner's Amend	nte ment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8.   Examiner's Statem	ent of Reasons for Allo	owance
of Biological Material	9.	Steven Le Primary Exam	ta ninor

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Roch on 10/7/04.

The application has been amended as follows:

In the specification:

In page 1, line 9, after "2001,", insert --now U.S. patent no. 6,809,368, --.

In page 8, delete lines 7-8 and insert --Figures 2(a) – (h) illustrate the TT0 nitride liner process and resulting structure for the trench-capacitor vertical dynamic random access memory (DRAM) cell array device having improved TT0 reliability according to the present invention.--.

In the claims:

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Claim 1, lines 6-7, change "a DRAM cell" to --DRAM cells--;
line 11, before "collar", insert --said--;
line 14, after "sidewalls", insert --of the trenches--;
line 14, after "and", insert --said--;
line 18, after "of", insert --each of--;
line 22, change "a DRAM cell" to --said DRAM cells--.

Claim 2, line 2, delete "a";
line 2, change "layer" to --layers--;
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line 3, after "and", insert --said--.

Claim 3, line 2, change "oxide and silicon" to --collar oxide regions and said Sicontaining substrate--.

Claim 4, line 2, change "layer" to --layers--.

Claim 6, line 1, change "prior to" to --after--.

Claim 10, line 2, change "said" to --a divot on each of said--.

2. The oath and declaration is deficient because it does not meet the requirement under 37 C.F.R. § 1.63 (a)(2). The given name of the fifth inventor (V. C. Jaiprakash) must be in full written form. In order to avoid abandonment of the application, applicant must submit a substitute oath or declaration to correct the above error.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (571) 272-1657. The examiner can normally be reached on 7:50 am to 5:20 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sl October 7, 2004 Steven Leka Primary Examiner